

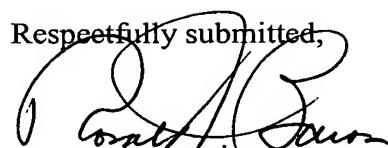
Applicants: Janssens, et al.  
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**REMARKS**

Applicants have undertaken to amend the specification and claims to insert headings in accordance with U.S. practice and to eliminate multiple dependencies so that all claims are singly dependent from previous claims. No new subject matter has been introduced as a result of this Amendment. As a result of the present Amendment, Claims 1-21 remain in the application for purpose of prosecution.

As a result of this Amendment no additional fees should be assessed as a result of filing multiple dependent claims. Therefore, since new matter has not been introduced as a result of this Amendment, entry hereof and examination and favorable consideration are respectfully requested. Any questions regarding this matter should be directed to the undersigned.

Respectfully submitted,



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**VERSION OF AMENDMENT WITH MARKS**  
**TO SHOW CHANGES MADE**

**IN THE SPECIFICATION:**

On page 1, before line 1, after the title, please insert the following:

This application is the U.S. National Phase of International Application Number PCT/IB00/00865 filed on June 28, 2000, which is incorporated herein by reference.

**BACKGROUND OF THE INVENTION**

The invention relates to a method for determining a flow pattern of a fluid in a space.

Amend page 2, after line 8, to read as follows:

**SUMMARY OF THE INVENTION**

It is an object of the invention to provide a method of the type described in the opening paragraph, in which the above drawbacks are avoided. In particular, it is an object of the invention to provide a method with which the flow pattern of fluid streams in a space can be determined dynamically, *in situ*, in a relatively simple and unambiguous manner and at relatively low cost. To this end, a method according to the invention is characterized by the measures of claim 1.

Amend page 7, after line 26, to read as follows:

**BRIEF DESCRIPTION OF THE DRAWINGS**

Fig. 1 diagrammatically shows, in cross-sectional side view, a ventilated space equipped according to present invention;

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Amend page 8, after line 24, to read as follows:

**DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS**

In this specification similar or corresponding parts have similar or corresponding reference numerals. As an example of a space, this specification describes a stable, for instance, intended for keeping pigs, cows chickens or the like, but it will be clear that an apparatus according to present invention is suitable for use in all kinds of spaces, for instance also living or office spaces, storing spaces, spaces in transport means and the like. The practical examples shown should in no way be regarded as limitative.

**IN THE CLAIMS:**

Please amend Claims 3, 4, 5, 6, 7, 8, 9, 12, 16, 17, 18, 19, and 20 to read as follows:

3. (Amended) A method according to claim 1 [of 2], wherein in or near the at least one inlet the inflow direction of the fluid is determined.

4. (Amended) A method according to claim 1 [any one of the preceding claims], wherein in or near the at least one inlet the relevant parameter of the fluid is measured, wherein preferably, moreover, at a distance from the fluid stream a comparable parameter in the space is determined.

5. (Amended) A method according to claim 1 [any one of the preceding claims], wherein in the fluid stream in said first position at least three recording elements ( $T_1$ ,  $T_2$ ,  $T_3$ ) for the relevant parameter are arranged at a distance from each other, for measuring the local value of the relevant parameter, wherein on the basis of the value differences the position of the maximum or minimum value in said first position is determined.

6. (Amended) A method according to claim 1 [any one of the preceding claims], wherein said fluid parameter is measured contactlessly, preferably acoustically.

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7. (Amended) A method according to claim 1 [any one of the preceding claims], wherein in at least two positions placed one after the other in the flow direction of the fluid stream the distribution, at any rate at least two values, are measured.

8. (Amended) A method according to claim 1 [any one of the preceding claims], wherein on the basis of at least the flow pattern of the fluid stream the throughput of the at least one inlet is regulated and/or the direction of inflow of the fluid into, at least from the at least one inlet is regulated and/or at any rate a part of the fluid stream is passed from the space via at least one outlet, wherein in, at any rate near the at least one outlet the relevant parameter of the fluid stream and preferably also the throughput and/or the composition thereof is measured.

9. (Amended) A method according to claim 1 [any one of the preceding claims], wherein as fluid a gas is passed into a space and wherein as parameter at least one of the following parameters is measured:

temperature, flow velocity, flow direction,  
pressure, concentration of a component, density.

12. (Amended) A method according to claim 1 [any one of the preceding claims], wherein as fluid a liquid is passed into a space and wherein as parameter is measured at least one of the following parameters is measured:

temperature, flow velocity, flow direction,  
pressure, concentration, density.

16. (Amended) An apparatus according to claim 14 [or 15], wherein the or each first sensor comprises at least three recording elements for the relevant parameter placed at a mutually known distance, such that the recording elements are placeable for use substantially along a straight or curved line in the fluid stream, while a preferably regular pattern of recording elements in a space can be obtained with a series of first sensors.

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17. (Amended) An apparatus according to claim 14 [any one of claims 14-16], wherein a series of first sensors is arranged to measure said parameter in at least two and preferably at least three positions on a straight or curved line, such that a preferably regular pattern of recordings can be obtained with said series first sensors.

18. (Amended) An apparatus according to claim 14 [any one of claims 14-17], wherein at least the or each first sensor the process unit and fluid inlet regulating means and/or fluid outlet regulating means are incorporated into a regulating cycle, in which during use the fluid inlet regulating means and/or fluid outlet regulating means provide data with respect to the fluid stream, which data are processed by the process unit, such that at least partly on the basis of these data the fluid insert regulating means and/or fluid outlet regulating means are regulated.

19. (Amended) An apparatus according to claim 14 [any one of claims 14-18], wherein the recording elements at least comprise temperature recording elements.

20. (Amended) A space, provided with an apparatus according to claim 14 [any one of claims 14-19], wherein a preferably regular pattern of at least first sensors is provided, in particular recording elements thereof in at least a part of the space between at least one fluid inlet and at least one fluid outlet.